Aegis Mini

1.8" external hard drive

Works with Windows Vista™

User Guide

APRICORN

THE LEADER IN MOBILE DATA STORAGE

Copyright © Apricorn, Inc. 2008. All rights reserved.

Windows is a registered trademark of Microsoft Corporation.

Macintosh and OS X are registered trademarks of Apple Computer, Inc.

All other trademarks and copyrights referred to are the property of their respective owners.

Anytime (GB) is used in this document: One gigabyte (GB) = one billion bytes; accessible capacity will be less and actual capacity depends on the operating environment and formatting.

Distribution of substantively modified versions of this document is prohibited without the explicit permission of the copyright holder.

Distribution of the work or derivative work in any standard (paper) book form for commercial purposes is prohibited unless prior permission is obtained from the copyright holder.

DOCUMENTATION IS PROVIDED AS IS AND ALL EXPRESS OR IMPLIED CONDITIONS, REPRESENTATIONS AND WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT, ARE DISCLAIMED, EXCEPT TO THE EXTENT THAT SUCH DISCLAIMERS ARE HELD TO BE LEGALLY INVALID.

Table of Contents

Page #

1. Introduction 4
2. Getting to know your Aegis Mini 5
   - System Requirements 5
   - Package Contents 5
   - Specifications 6
3. Set-Up 7
   - Installation 7
   - Disconnecting 8
   - Reformatting your hard drive 10
4. Software 12
   - Before you backup 12
   - EZ Gig II special instructions for Vista 13
   - EZ Gig II Installation 14
   - Cloning your hard drive 15
   - Imaging your hard drive 20
   - SMART-ER 24
   - Microsoft® SyncToy® 1.4 download 25
   - SuperDuper! 26
   - Synchronize! X for Mac 27
5. Technical Support 28
   - Contact Information 28
   - RMA Policy 28
   - Warranty 29
6. FAQs 30

1. Introduction

Thank you for purchasing the ***Aegis Mini USB 2.0 or FireWire***

Please take the time to read this manual first to familiarize yourself with the ***Aegis Mini*** and all of the software packages that come with the ***Aegis Mini***.

Good things really do come in small packages! Apricorn's ***Aegis Mini*** ultra portable 1.8" hard drive instantly adds up to 120GB of capacity which is ideal for storing, sharing or backing up your valuable data.

Don't be fooled by the Mini's tiny size. The high capacity drive features a rugged form factor, that includes extensive shock mounting, sleek, durable enclosure and padded travel pouch.

Apricorn's ***Aegis Mini*** is available in capacities up to 120GB and features a convenient, integrated cable, which wraps neatly around the drive when not in use. The Aegis Mini USB 2.0 model is completely powered by your notebook, so no AC adapter is required - EVER.

The ***Aegis Mini*** comes with Apricorn's Data Protection Suite that offers backup and synchronization for both Mac and Windows.

So whether you are at home, at the office or on the go, ***Aegis Mini*** is the perfect mobile solution for transferring, storing and protecting your valuable data.

2 Getting to know your Aegis Mini

System Requirements

Hardware: Pentium II CPU or Apple G3 or later
128MB RAM
USB Port or FireWire Port
CD ROM or CD-RW drive

Operating systems:

Microsoft: Windows Vista Home Basic/Premium, Ultimate & Business
Windows XP Home and Professional
Windows 2000 Professional

Mac: OS 9.2 or higher
OS X 10.2 and later

Package Contents

Data Protection Suite

PC

EZ Gig II Backup & Disaster Recovery Software
SMART-ER - Hard Drive Monitor
Microsoft SyncToy® 1.4 download

Mac

ShirtPocket SuperDuper! - Backup Software
Synchronize! X - Synchronzation software

Aegis Mini

Convenient Travel Pouch

1 meter extension cable

Quick Start Guide

Specifications

Features	Benefits
Ultra-Portable Design	Ideal to take between home and the office or on trips.
Backup Software	Gives you the flexibility to backup a single file or your entire system, OS settings and all.
Disaster Recovery Software	Create a Disaster Recovery Clone of your hard drive. In the event of a hard drive failure you can be up and running in minutes.
Plug-n-Play	Drivers not required for Windows Vista XP, 2000, Mac OS 9.2 & later, Mac OS X & later
Hot Swappable	No need to power down your computer, just plug and go.
Moving Files	Excellent for synchronizing data between desktop and notebook computers.
Compatibility	PC and Mac hardware compatible.
Bus Powered	No external power required.

Parameter	
Data Transfer Rates	Up to 480 Mbps USB and 400 Mbps 1394
Power	Completely powered by the data cable
Interface	Hi-Speed USB 2.0 or 1394 FireWire
Buffer Size	2MB
RPM	4200
Average Seek Time	12ms
Voltage	5 Volts +/- 5%
Shock - non operating	1500G 1ms
Shock - operating	600G 2ms
Dimensions	17mm X 68mm X 86mm
Approvals	FCC, CE & USB IF

3. Set-Up

Installation

Windows 2000, XP and Vista:

1. Ensure your computer is turned on.

2. Plug the ***Aegis Mini*** USB or FireWire cable into the appropriate open port on your computer.

3. The **"New Hardware Found"** message will appear briefly on your computer screen.

4. Windows 2000, XP and Vista will install the device drivers included with the operating system. No user intervention is required.

Macintosh:

1. Ensure your computer is turned on.

2. Plug the ***Aegis Mini*** USB or FireWire cable into the appropriate open port on your computer.

3. The operating system will automatically mount the drive and it will appear on your computer.

For use in desktop applications, the extension cable will make connecting and disconnecting the ***Aegis Mini*** easier.

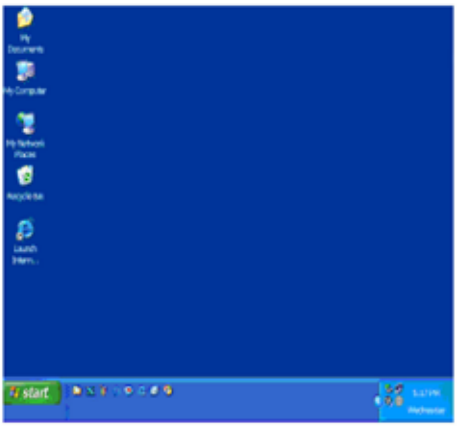
Disconnecting Windows 2000, XP and Vista

1) Locate the system tray on your Windows Desktop (the system tray is the part of the taskbar that displays the date and time).

2) Click on the **"Safely Remove Hardware"** icon in the system tray. A dialog box will appear.

3) Click 'Safely Remove hard disk – Drive (D:) in the dialog box. Note: Your drive letter may be different.

4) Wait for few seconds until the system prompts 'The hard disk storage device can now be safely removed from the system." Click OK, and then unplug ***Aegis Mini***.



To protect against unexpected data loss, Windows verifies that all files on the disk are closed before allowing the USB device to be removed. If you receive an error message that says **"The device cannot be stopped right now. *Try stopping the device again later."*** Close all programs that are using files from the drive, then repeat steps 1-4.

Disconnecting Mac

Macintosh

1. The drive will need to be dismounted. Do this by dragging the ***Aegis Mini*** on the desk top to the **"Trash Can"**.

2 Wait a few seconds for the drive to unmount and then you can safely remove the drive ***Aegis Mini***.

To protect against unexpected data loss, OS X verifies that all files on the disk are closed before allowing the device to be removed. If you receive an error message that says **"The disk "Aegis Mini" is in use and could not be ejected"**. Close all the programs that are using files from the drive, then repeat steps 1 and 2.

Reformatting Your Hard Drive

Your ***Aegis Mini's*** hard drive is preformatted with the FAT32 Windows File System. While the FAT32 file system is visible to the largest number of operating systems, FAT32 does have limitations. You cannot save a file larger than 4GB. In Windows 2000 and XP, and you can not create a partition larger than 32GB. The ***Aegis Mini*** will be usable in your system, however we recommend that you reformat the hard drive using the following method for Windows 2000 and XP:

Reformatting Windows 2000 or XP (NTFS File System):

Reformatting your hard drive will destroy any data on the hard drive. Backup any data before you continue with this operation.

1. Open **"My Computer"** or **"Windows Explorer"**.

2. Right click on the ***Aegis Mini*** drive and select **Format**.

3. This will open the format window:
   a. In the **File system** drop down box, select NTFS.
   b. Use **"Default allocation unit"** size.
   c. Under **Format options**:
      i. Select **Quick Format**. (Optional)
      ii. Do not **Enable Compression**.
   d. Click on the **Start** button.

4. The drive will now be reformatted.

5. Verify the reformatting of the drive:
   a. Go to **My Computer** or **Windows Explorer**, right click on the ***Aegis Mini*** drive, and select **Properties** from the list.
   b. This will open the ***Aegis Mini*** hard drive properties. The **File System** should now read NTFS.

Instructions for reformatting Windows Vista:

Cut & paste or type the URL below into your Internet browser or click the link below: http://windowshelp.microsoft.com/Windows/en-US/help/d9a4d35e-efdf-406c-a049-0860180129a71033.mspx

Reformatting with Mac OS X

Reformatting your hard drive will destroy any data on the hard drive. Backup any data before you continue with this operation.

1 Plug the cable from your ***Aegis Mini*** into your computer. The drive will appear as a drive on your desktop.

2. Open the "Applications" folder on your hard drive, go to the "Utilities" folder and select **Disk Utilities**.

3. Select the drive from the list: Note that a description of the drive appears in the window.

4. Select the **Erase** tab on the top of the window.

5. From the volume format drop down list, select the **Mac OS Extended**.

6. Enter ***Aegis Mini*** into the **Name** box.

7. Select the check box next to **Install Mac OS 9 Drivers**. This will allow you to see your ***Aegis Mini*** hard drive if you boot to Mac OS 9.x

8. Click the **Erase** button: An alert will appear to confirm the erase process.

9. Click **Erase**: to start the formatting process.

10. To confirm that the ***Aegis Mini*** hard drive is properly formatted, Select the ***Aegis Mini***, then Select: **File, Get Info**. The format should read Mac OS Extended.

4. Software

Before You Backup!

With more of your work and personal life becoming digitized, backups are essential. Backups protect and preserve precious data, music files, digital photos, digital videos and other important computer documents from being lost forever.

The following next few steps are suggestions to consider before backing up, to help the process run smoothly:

1. Ensure there are no file system errors by running ***Windows Check Disk*** (or a similar check disk utility) on your computer's internal hard disk drive.

2. Defragment your computer's internal hard disk drive by using ***Windows Disk Defragmenter*** (or a similar disk defragmenter utility).

3. Make copies of any important files or data to another drive.

4. Hard drive backups work best when done on a regular basis. Take a moment to establish a backup plan that works for you.

   Disk Clone and Disk Image will both create a full backup of your system.

   Use Disk Image and create a full backup each day, week or month depending on how critical your data is and how far back you would like to recover a version of the files you are working with.

   Use Disk Clone and create a full backup if you are upgrading to a larger hard drive or anytime you want or need to have an exact bootable clone of your hard drive.

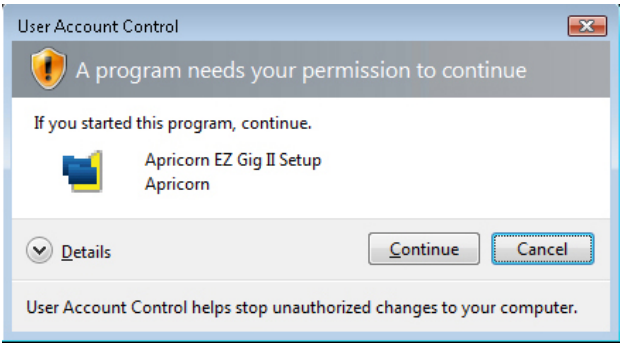
5. Once you have decided upon your plan, proceed to the appropriate sections in this manual to either use Disk Clone or Disk Image.

Whenever the ***Aegis Mini*** is used to store a Cloned Image the data cables on the ***Aegis Mini*** should be removed while booting or rebooting the computer. **IF NOT DAMAGE CAN OCCUR TO YOUR OPERATING SYSTEM**

EZ Gig II installation instructions for Windows Vista:

Windows Vista's User Account Control helps stop unauthorized changes to your computer. The User Account Control window pops up in Administrator Approval Mode whenever a program tries to install on your Windows Vista system. If the User Account Control window does not pop up, please skip to the EZ Gig II installation.

When the User Account Control window pops up there will be a warning symbol and message that reads, "A program needs your permission to continue." The instructions will read "If you started this program, Continue."



Please click the Continue button and proceed to the EZ Gig II main installation screen.

Change the default "Power Options" for Windows Vista operating systems:

Be default Windows Vista operating system will "Turn display off" after 20 minutes and "Put the computer to sleep" after 1 hour of keyboard or mouse inactivity. It will take more than 20 minutes to backup most of today's larger hard drives. If the system goes into display is turned off or the computer goes to sleep during the backup, your backup may fail. This will not damage your original hard drive in any way but you will have to restart the backup. To avoid this issue change the default "Power Options" before starting the backup on Windows Vista Systems.

From your Window Vista Start menu type "Power Options" in the "Start Search bar" and the "Power Options" program will be listed in the results window. Alternately you can go to Start Menu – Control Panel – Power Options. Click on "Power Options" to launch the program. On the left window click on "Choose when to turn off display" and make the changes as listed below.

Turn Display Off	Never
Put computer to sleep	Never

Once you have completed the backup go to "Power Options" and restore the default settings.

EZ Gig II for Windows

1. Insert Apricorn CD into your CD-ROM drive.
2. Setup screen will pop up. Click **Install EZ GIG II** button.

3. EZ Gig II installation screen will pop up.

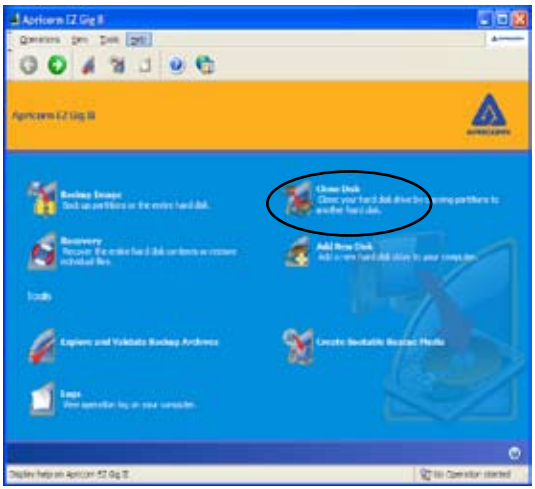
4. Follow instructions for installation.

Read all instructions carefully before cloning. This is only a quick overview of how to use Disk Clone in Typical Mode. For detailed instructions including the custom options read Chapter 10 "Transferring the system to a new disk" located in the EZ Gig II User Guide located on the Apricorn software CD that came with your Apricorn product. Alternately if you have installed EZ GIG II on Windows, go to: start/All Programs/Apricorn/ Apricorn EZ Gig II/Apricorn EZ Gig II User Guide

Cloning your hard drive with Disk Clone

EZ Gig II allows you to clone your hard drive from inside the Windows operating system or by booting directly to the Apricorn Software CD provided with the product you purchased. If your system is running normally we recommend that you clone your hard drive by starting up the program inside the Windows operating system.

1. Ensure your ***Apricorn product*** is connected to your computer.



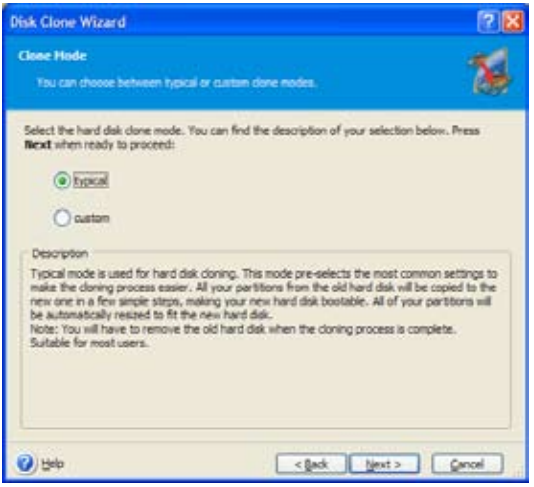
2. To start EZ Gig II, click **Start > Programs > Apricorn > EZ Gig II** and click on **Apricorn EZ Gig II.** This will open the main screen of EZ Gig II. You can also click on the **Apricorn EZ Gig II** icon on the Desktop.

3. On the main screen double click on the **Clone Disk** icon to open Disk Clone Wizard.

4. When you see the **Welcome to the Disk Clone Wizard!** screen. Click **Next** to continue.

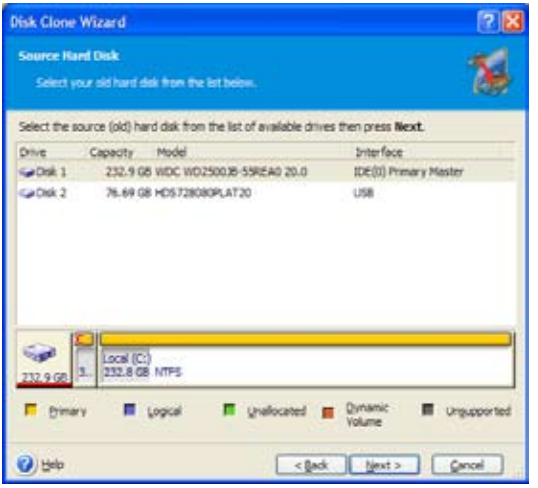
Disk Clone Wizard
Welcome to the Disk Clone Wizard!
This wizard will help you to clone your hard disk drive by copying the partitions to another hard disk.
APRICORN
EZ GIG II
www.apricorn.com
Please click Next to continue.
Help
< Back
Next >
Cancel

5. The **Clone Mode** screen will appear. Select **typical** and click **Next** to continue.

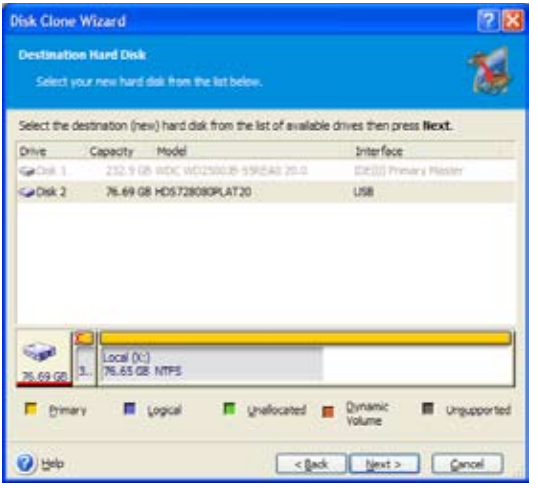

Disk Clone Wizard
Clone Mode
You can choose between typical or custom clone modes.
Select the hard disk clone mode. You can find the description of your selection below. Press Next when ready to proceed:
typical
custom
Description
Typical mode is used for hard disk cloning. This mode pre-selects the most common settings to make the cloning process easier. All your partitions from the old hard disk will be copied to the new one in a few simple steps, making your new hard disk bootable. All of your partitions will be automatically resized to fit the new hard disk.
Note: You will have to remove the old hard disk when the cloning process is complete.
Suitable for most users.
Help
< Back
Next >
Cancel

6. If the hard disk drive to receive the cloned data is new or blank, proceed to step 10. If the hard disk drive to receive the cloned data either contains data or is formatted, proceed to step 7.

7. The **Source Hard Disk** screen will appear. Select the appropriate source hard disk. The interface and disk size can be used to help identify the correct disk number. Click **Next** to continue.



8. The **Destination Hard Disk** screen will appear. Select the appropriate destination hard disk. The destination hard disk is typically your new hard disk drive. Click **Next** to Continue.



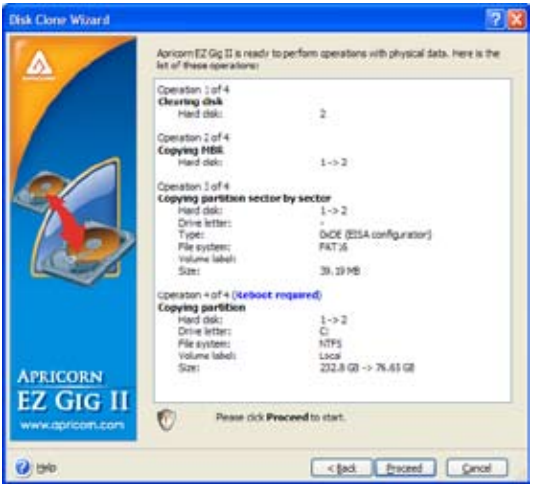
9. The **Nonempty Destination Hard Disk** screen will appear when you have selected to transfer data to a drive that already contains data. If you have chosen the proper source and destination drives, then select the "Delete partitions on the destination hard disk" button. Click **Next** to continue.

Disk Clone Wizard
Nonempty Destination Hard Disk
You have chosen a destination hard disk that already contains some partitions.
The destination drive you have chosen contains some partitions that might have useful data. The operation is possible only if the destination hard disk is empty. In order to proceed with the operation, you should either allow Apricorn EZ Gig II to delete all the partitions on the destination hard disk or click Back and choose another destination hard disk.
Delete partitions on the destination hard disk
No, I do not want to delete partitions
Description
Delete all partitions on the destination hard disk.
Will destroy all your data on the destination hard disk. Make sure you have chosen the right destination disk.
Help
< Back
Next >
Cancel

Note: If you need to confirm that you have selected the proper source and destination drives, click the Back button to check.

10. The next screen outlines the operations that Disk Clone will perform.

    Click **Proceed** to continue with cloning your hard disk drive.



12. The computer will reboot and the cloning process will now begin.

Do not turn your computer off during this process. However, your computer will reboot itself during the clone process (this is normal) and you should let the process continue until you see the congratulations screen. When the congratulations screen appears, turn off your computer using the power button. Then unplug the Apricorn product from the computer. DO NOT REBOOT THE COMPUTER WITH A CLONED HARD DRIVE IN THE Apricorn product. To do so may alter some settings of the Windows operating system.

13. You have completed the cloning process and now have an exact bootable clone of your hard drive.

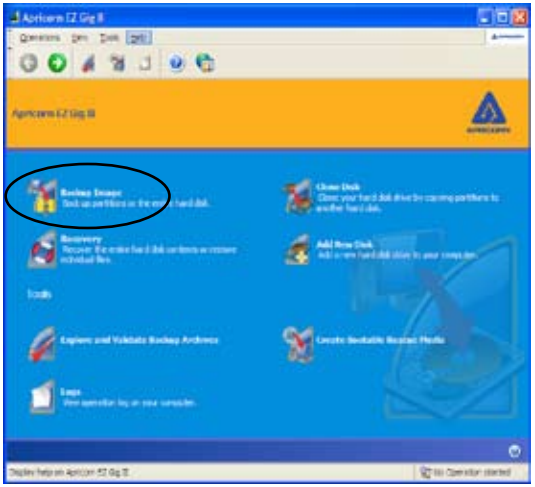
Read all instructions carefully before cloning. This is only a quick overview of how to use Create Image Wizard in Typical Mode using the default options. For detailed instructions including how to set the options manually read Chapter 5 "Creating Backup Archives" located in the EZ Gig II User Guide located on the Apricorn software CD that came with your Apricorn product. Alternately if you have installed EZ GIG II on Windows, go to: start/All Programs/Apricorn/ Apricorn EZ Gig II/Apricorn EZ Gig II User Guide

Imaging your hard drive with Create Image Wizard

1. **Under certain conditions, Apricorn EZ Gig II may require your computer to reboot. Please save all work before starting Apricorn EZ Gig II.**

2. To start EZ Gig II, click **Start** > **Programs** > **Apricorn** > **EZ Gig II** and click on **Apricorn EZ Gig II**. This will open the main screen of EZ Gig II. You can also click on the **Apricorn EZ Gig II** icon on the Desktop.

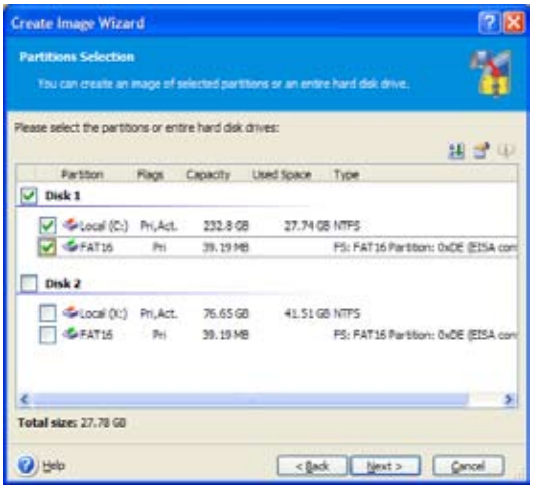
3. Double Click on the **Backup** icon from the main screen to open Create Image Wizard.



4. This will bring up the **Welcome to Create Image Wizard** window. Click **Next** to continue.

Create Image Wizard
Welcome to the Create Image Wizard!
This wizard will guide you through the process of creating your disk image. Disk Image is the perfect utility for backing up an entire hard drive, or an individual partition.
Through its advanced compression algorithm, Disk Image can compress data up to half of its original size. This feature allows for backups to smaller hard drives, or multiple backups to a single drive.
APRICORN
EZ GIG II
www.apricorn.com
Please click Next to continue.
Help
< Back
Next >
Cancel

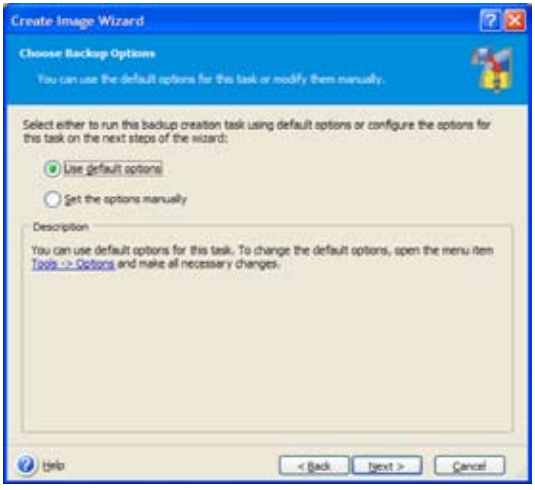
5. At the **Partition Selection** screen, select the disk or partition(s) you would like to back up by checking the appropriate box. Click **Next** to continue.



6. At the **Backup Image Location** window, find your ***Apricorn product*** (it may have the name Apricorn, and the drive letter will vary depending on the configuration of your computer).

7. Enter the image name in the ***File Name*** text box, located near the bottom of the window. You can enter any name you wish. It might be a good idea to use the date, such as E:\Jan26 for January 26. Click ***Next*** to continue.

8. The **Choose Backup Options** window will open. Select ***Use Default Options*** and then click ***Next*** to continue.

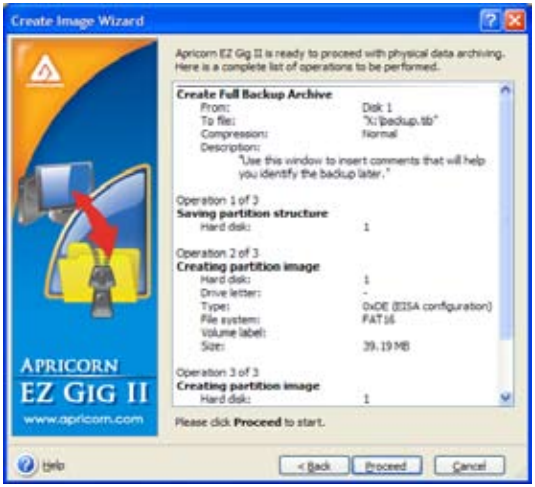

Create Image Wizard
Choose Backup Options
You can use the default options for this task or modify them manually.
Select either to run this backup creation task using default options or configure the options for this task on the next steps of the wizard:
Use default options
Set the options manually
Description
You can use default options for this task. To change the default options, open the menu item Tools -> Options and make all necessary changes.
Help
< Back
Next >
Cancel

Note: For detailed instructions on how to set the options manually read Chapter 5 "Creating Backup Archives" in the "Apricorn EZ Gig II User Guide" located on the Apricorn software CD that came with your Apricorn product. Alternately if you have installed EZ GIG II on Windows, go to: start/All Programs/Apricorn/ Apricorn EZ Gig II/Apricorn EZ Gig II User Guide

9. The **Image Archive Comments** window will open. You can use this window to write comments about the image (such as the imaging date, computer, operating system, etc.). Click ***Next*** to continue.

Create Image Wizard
Archive Comments
Add comments for the archive.
It is sometimes useful to add comments to the archives you create. Comprehensive comments can help you to find the appropriate archive much faster.
Use this window to insert comments that will help you identify the backup later.
Help
< Back
Next >
Cancel

10. This will open the Apricorn Disk Image Archive File Creation Script window. Verify the operations listed in the white box. If there are corrections to be made, click the ***Back*** button to change selected options. The selected operations **will not execute** until the Proceed button is clicked. If everything is correct, you can click the ***Proceed*** button to create the image file.



11. When Disk Image completes the selected options, the Congratulations screen will appear.

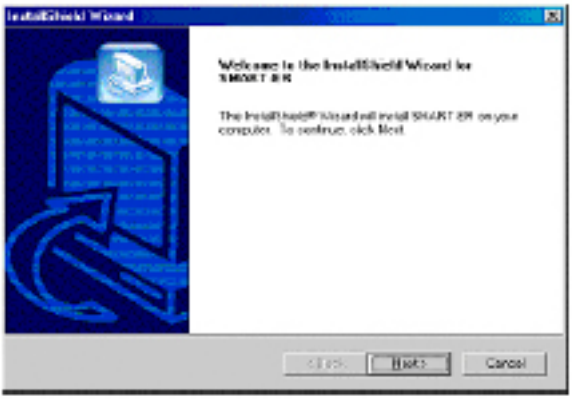
12. BACKUP COMPLETE!!! The ***Apricorn product*** now contains a complete image of the selected drive or partition(s).

SMART-ER Hard Drive Monitor for Windows

1. Insert Apricorn CD into CD-ROM drive.

2. Setup screen will pop up. Click **SMART-ER** button.

3. The SMART-ER Setup program will appear (pictured below) with a text file containing your serial number. Click **<Next>**



4. The License Agreement Dialog appears. Please read through first and Click **<YES>** if you accept the terms.

5. Enter your name, organization and serial number from the text file. Click **<Next>**

6. Choose the Destination Drive location. This will select the folder where Setup will install the files. Click **<Next>**

7. Install wizard is complete! Select , **Yes, I want to restart my computer now.™** Click **<Finish>** and the computer will automatically reboot with SMART-ER installed.

Once you reboot your system, you will notice a Blue S in your system tray. Your system tray is located in the lower right-hand corner of your desktop. By pointing your mouse over the blue S, you will get a message **SMART-ER status: OK**

Microsoft SyncToy 1.4 download

Microsoft® SyncToy 1.4 for Windows is available as a free download from the Microsoft Download Center. The easy to use, customizable application helps you copy, move, rename, and delete files between folders and computers. To make it easy for you to find and download, we have created a link that is accessible from the Aegis Bio Software CD.

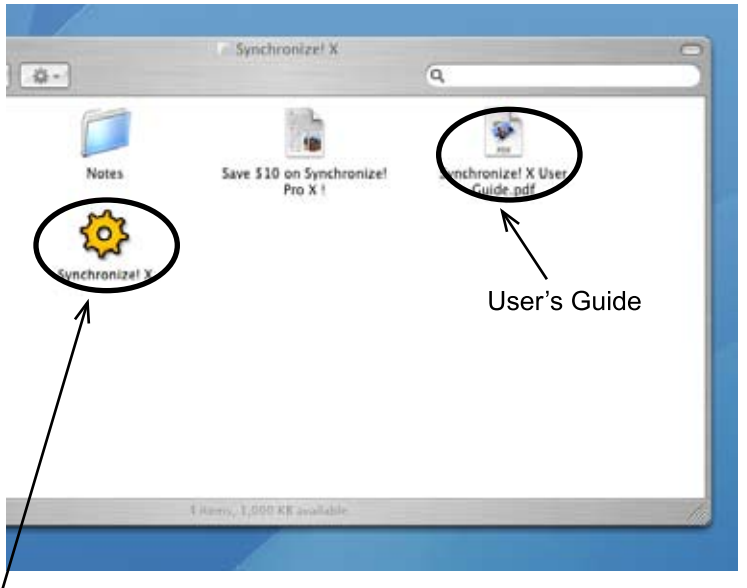
SuperDuper! Backup Software for Mac

1. Insert Apricorn CD into your CD-ROM drive
2. When the Apricorn CD appears on your desktop, double click to open.
3. Double click on the **SuperDuper!.dmg** icon
4. This will open the package and mount a drive on your desktop.
5. Open this drive by clicking on the newly created disk icon. The below window will open on your screen.

6. To install **SuperDuper!** drag **SuperDuper!** icon to Applications and run.
7. Follow the instructions included on the SuperDuper! User's Guide to setup.

Synchronize! X for Mac

1. Insert Apricorn CD into your CD-ROM drive
2. When the Apricorn CD appears on your desktop, double click to open.
3. Double click on the **Synchronize!X.dmg** icon
4. This will open the package and mount a drive on your desktop.
5. Open this drive by clicking on the newly created disk icon. The below window will open on your screen.



6. To install **Synchronize! X for Mac** drag **Synchronize! X** icon to Applications and run.
7. Follow the instructions included on the Synchronize! X for Mac User Manual for setup.

6. Technical Support

Contact Information

Apricorn provides the following helpful resources for you:

1. Setup, Software and FAQs sections of the User's Guide.

2. Apricorn's Website (**http://www.apricorn.com**)
   This gives you the ability to check for up-to-date information.

3. E-mail us at **support@apricorn.com**.

4. Or call the Technical Support Department at **1-800-458-5448 option 3**.
   Apricorn's Technical Support Specialists are available from **8:00 a.m. to 5:00 p.m., Pacific Standard Time Monday through Friday**.

RMA Policy

An RMA (Return Merchandise Authorization) tracking number must be issued by Apricorn. If you need to return or replace your ***Aegis Mini***, Apricorn requires that you perform the following steps:

1. Simply call Apricorn's technical support department with your ***Aegis Mini*** part number and a description of the problem(s) you are experiencing.

2. If the Apricorn representative finds cause for a return, they will issue an RMA number. Please write this number down.

3. Fill out an RMA authorization form with your package. The RMA form is available on-line at **http://www.apricorn.com/support/rma.php**.

4. Please send the prepaid package to the following address, make sure the RMA# is written on the exterior of the package:

   Apricorn
   RMA#: _____
   12191 Kirkham Road
   Poway, CA 92064

The purchaser shall be responsible for any loss or damage to the returned product until it is received by Apricorn. Purchaser should consider obtaining insurance with respect to shipping the product.

Warranty Conditions

One-Year Warranty:

Apricorn offers a 1-year warranty on the ***Aegis Mini*** against defects in materials and workmanship under normal use. The warranty period is effective from the date of purchase either directly from Apricorn or an authorized reseller.

Disclaimer and terms of the warranties:

THE WARRANTY BECOMES EFFECTIVE ON THE DATE OF PURCHASE AND MUST BE VERIFIED WITH YOUR SALES RECEIPT OR INVOICE DISPLAYING THE DATE OF PRODUCT PURCHASE.

APRICORN WILL, AT NO ADDITIONAL CHARGE, REPAIR OR REPLACE DEFECTIVE PARTS WITH NEW PARTS OR SERVICEABLE USED PARTS THAT ARE EQUIVALENT TO NEW IN PERFORMANCE. ALL EXCHANGED PARTS AND PRODUCTS REPLACED UNDER THIS WARRANTY WILL BECOME THE PROPERTY OF APRICORN.

THIS WARRANTY DOES NOT EXTEND TO ANY PRODUCT NOT PURCHASED DIRECTLY FROM APRICORN OR AUTHORIZED RESELLER OR TO ANY PRODUCT THAT HAS BEEN DAMAGED OR RENDERED DEFECTIVE: 1. AS A RESULT OF ACCIDENT, MISUSE, NEGLECT, ABUSE OR FAILURE AND/OR INABILITY TO FOLLOW THE WRITTEN INSTRUCTIONS PROVIDED IN THIS USER GUIDE: 2. BY THE USE OF PARTS NOT MANUFACTURED OR SOLD BY APRICORN; 3. BY MODIFICATION OF THE PRODUCT; OR 4. AS A RESULT OF SERVICE, ALTERATION OR REPAIR BY ANYONE OTHER THAN APRICORN AND SHALL BE VOID. THIS WARRANTY DOES NOT COVER NORMAL WEAR AND TEAR.

NO OTHER WARRANTY, EITHER EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, HAS BEEN OR WILL BE MADE BY OR ON BEHALF OF APRICORN OR BY OPERATION OF LAW WITH RESPECT TO THE PRODUCT OR ITS INSTALLATION, USE, OPERATION, REPLACEMENT OR REPAIR.

APRICORN SHALL NOT BE LIABLE BY VIRTUE OF THIS WARRANTY, OR OTHERWISE, FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGE INCLUDING ANY LOSS OF DATA RESULTING FROM THE USE OR OPERATION OF THE PRODUCT, WHETHER OR NOT APRICORN WAS APPRISED OF THE POSSIBILITY OF SUCH DAMAGES.

6. FAQs

1. What is USB 2.0?

USB 2.0 represents the next generation of PC peripherals and connectivity. USB 2.0 is the first major evolution of the Universal Serial Bus standard, which was originally designed to bring low cost connections and "plug-and-play" consumer devices to the PC world. USB 2.0 adds new functionality to your laptop, by allowing faster connections and greater flexibility without the need for upgrading your existing USB devices.

2. Why USB 2.0?

Modern PC peripherals can run faster and do more than the original USB designers ever dreamed. The USB standard was upgraded to keep pace with the rapid advances in technology, and the explosion of new consumer devices. USB 2.0 host controllers add the faster speeds and greater flexibility than these new devices require. USB 2.0 will allow your computer to connect to the newest USB devices: High-Speed Video and Ethernet, ultra-fast scanners and disk drives, etc.

3. How much faster is USB 2.0?

USB 1.1 devices can communicate at about 12 Megabits/sec. USB 2.0 devices can communicate at speeds of up to 480 Megabits/sec

4. What is FireWire?

FireWire is an Apple trademark for the IEEE 1394 standard.

5. How fast is FireWire?

The IEEE 1394a standard has a bus speed of 400 Mb per second.

6. What is i.LINK?

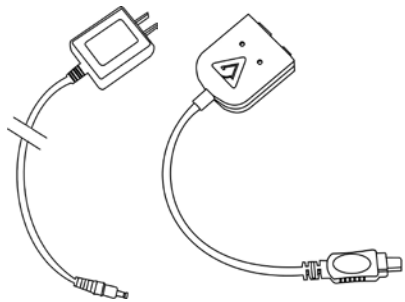
i.LINK is a Sony trademark for the IEEE 1394 standard. iLink ports are 4 pin unpowered port. You will need the optional 4 pin to 6 pin adapter.

Optional 4 pin to 6 pin FireWire Adapter for i.LINK

Apricorn's FireWire Adapter for i.LINK enables you to connect your Aegis Mini to an unpowered 4 pin i.LINK port.

Package includes FireWire Adapter and AC Adapter

Go to **www.apricorn.com** to learn more



7. **The *Aegis Mini* power LED is on, but the drive is not automatically detected by the operating system.**
   The mass storage device drivers are not installed correctly or there is a resource conflict in the system. Use the Windows Add New Hardware Wizard to detect the drive, or, if the drive has already been installed, use the Windows Update Device Driver Wizard. Be sure that there are no resource conflicts in the Windows Device Manager before installing the drive.

8. **The computer installs the device but operates at the slower USB 1.1 speed.**
   The drive is connected to a standard USB connector on your computer and cannot communicate using the high-speed USB 2.0 protocol. Verify that the USB host controller supports USB 2.0 transfer rates and that the USB host controller has the correct device drivers installed. If you are using the USB 2.0 hard disk drive on a standard USB connector on your computer, the high-speed transfers are automatically disabled and the USB 2.0 hard disk drive will operate as a USB 1.1 device. For more information on connecting to USB connectors on your computer, refer to your User's guide.

9. **What software is included with my *Aegis Mini*?**

   PC Software Includes: EZ Gig II, Microsoft SyncToy 1.4 download and SMART-ER

   EZ Gig II for Windows is one of the most powerful yet easy to use backup utilities available. EZ Gig II is the second generation of the award winning EZ Gig Data Transfer Utility. It now supports transferring data via USB, PC Card, FireWire, or internal IDE Bus. EZ Gig II is comprised of two modules:

   Disk Clone is ideal for users who require an exact copy of their hard drive. A cloned copy of a hard drive can be used for disaster recovery backup, or as a hard drive upgrade.

   Disk Image takes a snapshot of your entire system and compresses it into a file up to half its original size. This method takes up less space, thus allowing multiple backups to a single drive. The Image option also allows for the restoration of individual files or folders and a password to be assigned to a backup image, providing security for your data. A detailed description for each image can be entered giving the user total flexibility to retain backups from multiple dates, or multiple computers.

   Microsoft® SyncToy 1.4 is available as a free download from the Microsoft Download Center. The easy to use, customizable application helps you copy, move, rename, and delete files between folders and computers.

SMART-ER
By polling the S.M.A.R.T. data from a hard drive, SMART-ER gives the user advanced warning of a hard drive failure with a pop up message or e-mail to the IT administrator. Using less than 1MB of system resources, SMART-ER also monitors the hard drive free space and is compatible with Windows PC with IDE Hard Drives.

MAC Software Includes: ShirtPocket SuperDuper! and Synchronize! X for Mac.

Synchronize! X for Mac is a file synchronization and backup utility for personal data on Mac OS X. Synchronize! X will backup your personal data to another disk, so that it is safe. It can sync your home folder with a file server, or your PowerBook, or a FireWire disk, so that the newest files are in both locations.

SuperDuper! is the wildly acclaimed program that makes recovery painless, because it makes creating a fully bootable backup painless. Its incredibly clear, friendly interface is understandable, easy to use. And it runs beautifully on both Intel and Power PC Macs! SuperDuper's interface confirms all your actions in simple, clear language to ensure that the end result is exactly what you intended.

10. What is the difference between "cloning" and "imaging"?

Disk Cloning is a bit for bit copy of one drive to another. In doing so, a Clone can boot and run the operating system as if it is the original drive. The data is same on both drives. A Disk Image copies the data on the drive and stores it as a file. This file can be compressed to a smaller size to take up less space. The Image is not bootable.

11. The drive works at home but when I take it to work, I cannot see the drive in My Computer.

You may have a network drive that is mapped to the same letter as the ***Aegis Mini*** wants to use. You can use Disk Management (right-click My Computer, select Manage and then Disk Management) to assign a new drive letter. Locate the drive in the lower window and right click in the bar graph area. Right-click and select "change drive letter and path…" to change the letter to one that is not being used.

12. Is it possible to restore a single file from an image stored on my *Aegis Mini*?

Yes. EZ Gig II allows you to mount an image as a "virtual" hard drive. You can access this "virtual" drive as if it was a physical hard drive. You would use your **Windows Explorer** or **My Computer** and copy the file or folder and paste it on to your hard drive.

13. Why am I unable to save a file larger then 4GB on to my *Aegis Mini*?

Fat 32 has a file size limitation of 4 GB. If you are using Windows 2000 or XP, you can reformat the drive to NTFS. By reformatting the drive to NTFS, you eliminate the 4GB limitation, but you will also lose any data stored on the drive. Either reformat my Aegis Mini to NTFS before using for the first time, or backup the data on Aegis before reformatting.

14. I am unable to format my 40GB or larger *Aegis Mini* with FAT 32 in Windows 2000 or XP?

Windows 2000 and XP limit a FAT32 partition to 32 GB. If you choose to format the drive in a larger the 32 GB partition, you will need to use the NTFS file system.

15. Do I need to install drivers for the FireWire?

Windows users do not need any additional software for FireWire.

16. Can I boot Windows to my USB Device?

No. Because of limitations (both hardware and software) Windows is currently prevented from booting and running off a USB drive.

17. Can I boot my MAC from the Aegis FireWire?

Yes, if your Macintosh has a built in FireWire port, expect for the Blue & White G3 and PCI graphics models of the G4 (See Apple Knowledge base Article #58606.)

To boot your supported Macintosh
Connect the Aegis Mini to an available Fire wire port and verify that the drive is visible
Run Super Duper to clone your drive
Open The Startup Disk Control Panel and Select the FireWire

18. What is Microsoft® SyncToy 1.4 download?

Microsoft® SyncToy 1.4 for Windows is available as a free download from the Microsoft Download Center. The easy to use, customizable application helps you copy, move, rename, and delete files between folders and computers. To make it easy for you to find and download, we have created a link that is accessible from the Aegis Bio Software CD.

12191 Kirkham Road
Poway, CA, U.S.A. 92064
1-858-513-2000